

Arlon R32458R0055E 0.0075" Cured Silicone Rubber with Fiberglass Substrate and Acrylic PSA

Category : Polymer , Thermoset , Silicone , Silicone, Molded, Glass Fiber Filled

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSubstrate: Style 2113 FiberglassSide 2: Acrylic PSAInterleave: PolypropyleneThis data represents typical values for the production material and should not be used as material specifications.Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-R32458R0055E-00075-Cured-Silicone-Rubber-with-Fiberglass-Substrate-and-Acrylic-PSA.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	50.8 microns	2.00 mil	Side 1; Arlon SQA-TMS-003
	50.8 microns	2.00 mil	Side 2; Arlon SQA-TMS-003
	88.9 microns	3.50 mil	Substrate; Arlon SQA-TMS-003
	191 microns	7.50 mil	Overall thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property; ASTM D2240
Tensile Strength	6.21 MPa	900 psi	Silicone Property; ASTM D412
Elongation at Break	600 %	600 %	Silicone Property; ASTM D412
Peel Strength	0.0877 kN/m	0.500 pli	Bond Strength; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	149 °C	300 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

Processing Properties	@Temperature 23.9 °C Metric	@Temperature 75.0 °F English	Comments
Descriptive Properties		Value	Comments
Color		Red	
Total Product Weight (oz/yd2)		6.5	Arlon SQA-TMS-025

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